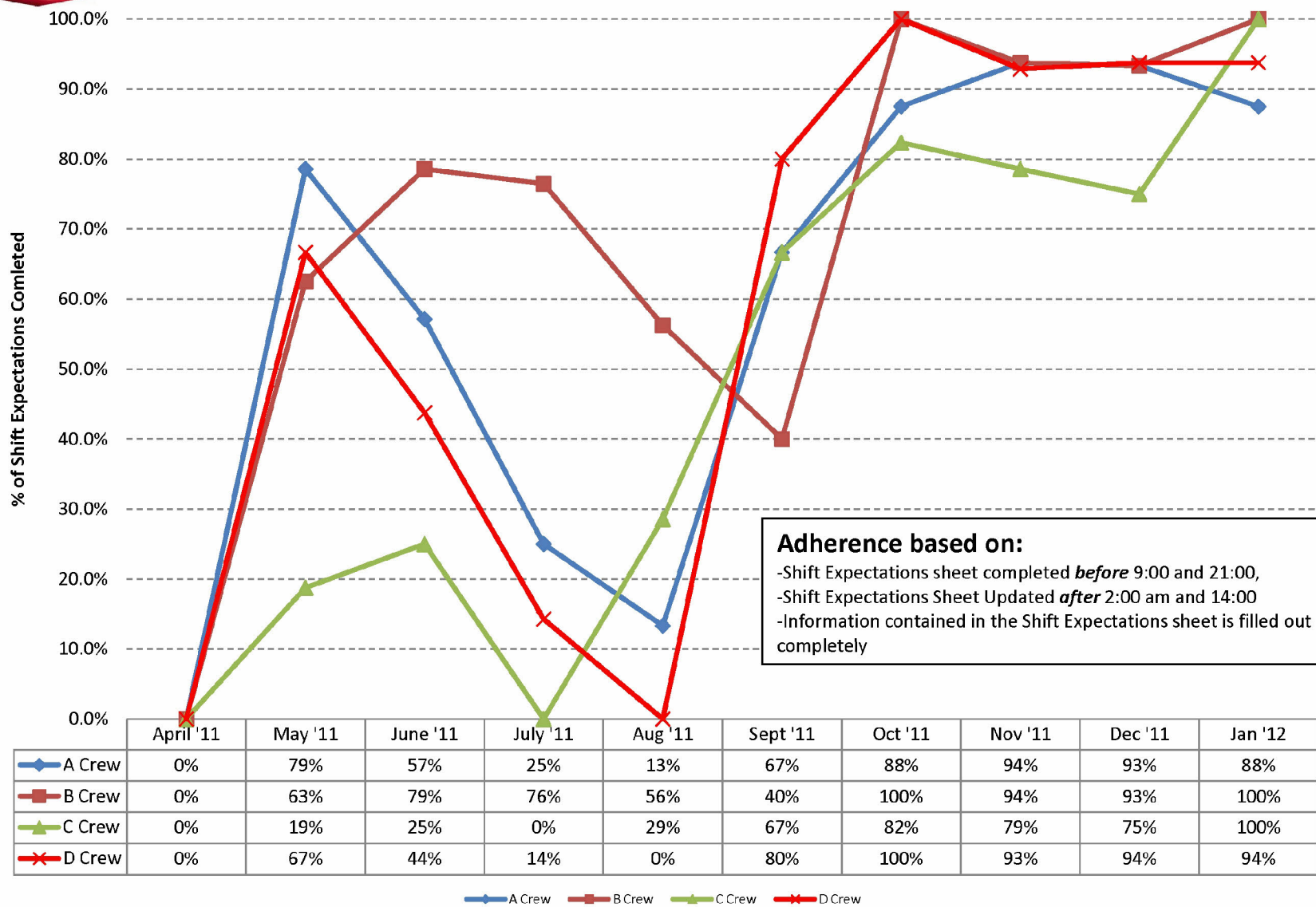




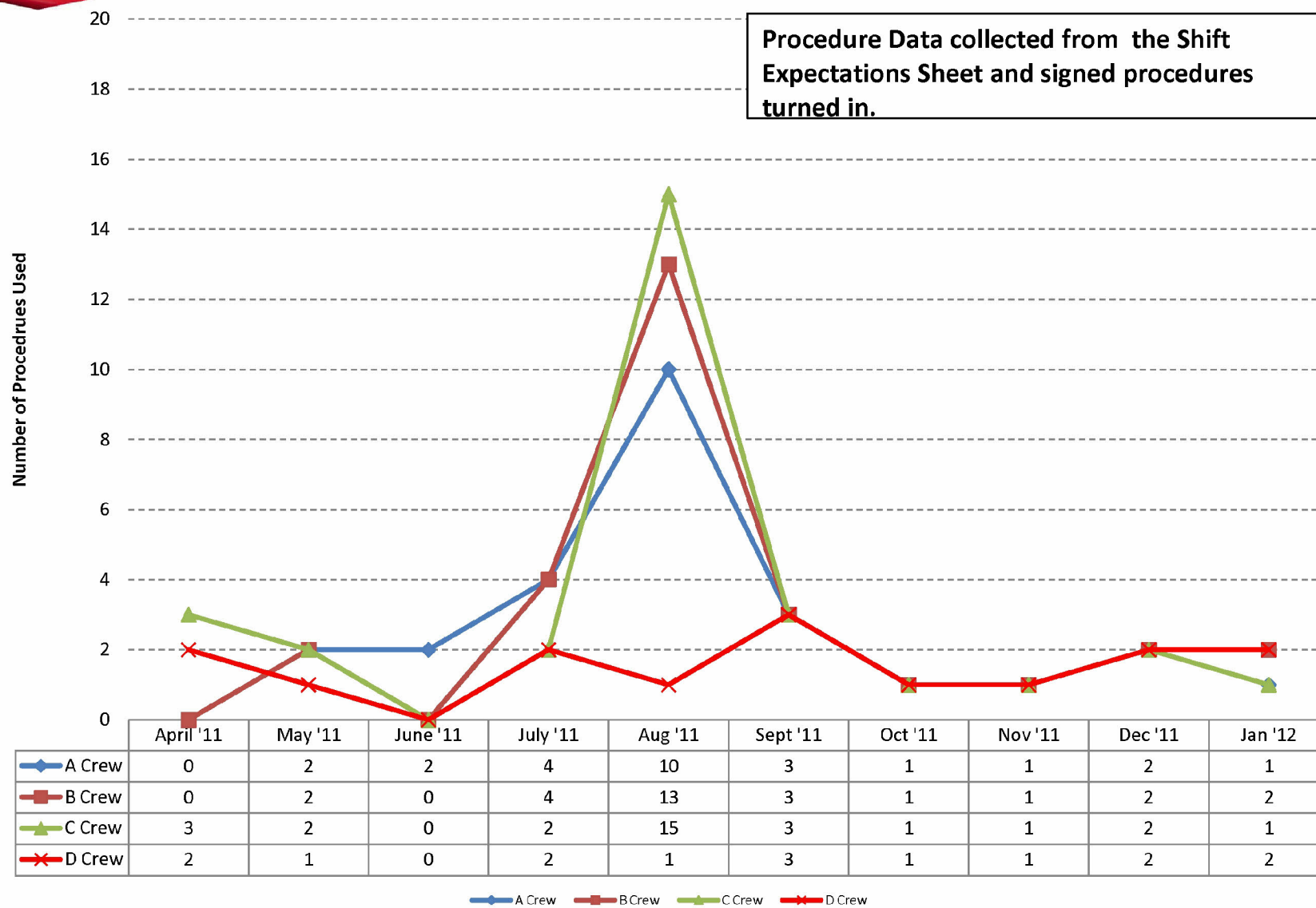
## Crew Management: Hydro





## Procedure Usage: Hydro

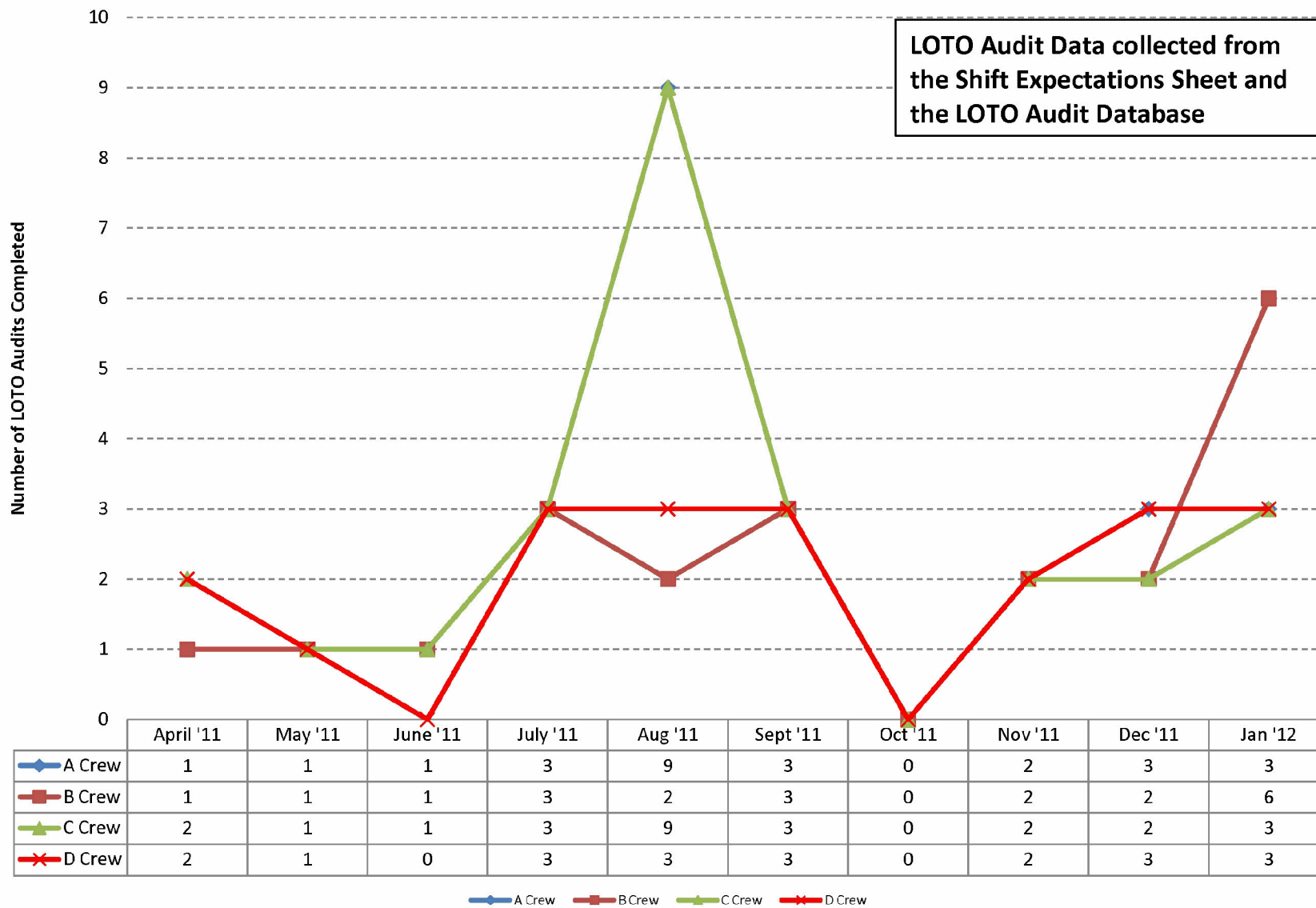
Procedure Data collected from the Shift Expectations Sheet and signed procedures turned in.





## LOTO Audits: Hydro

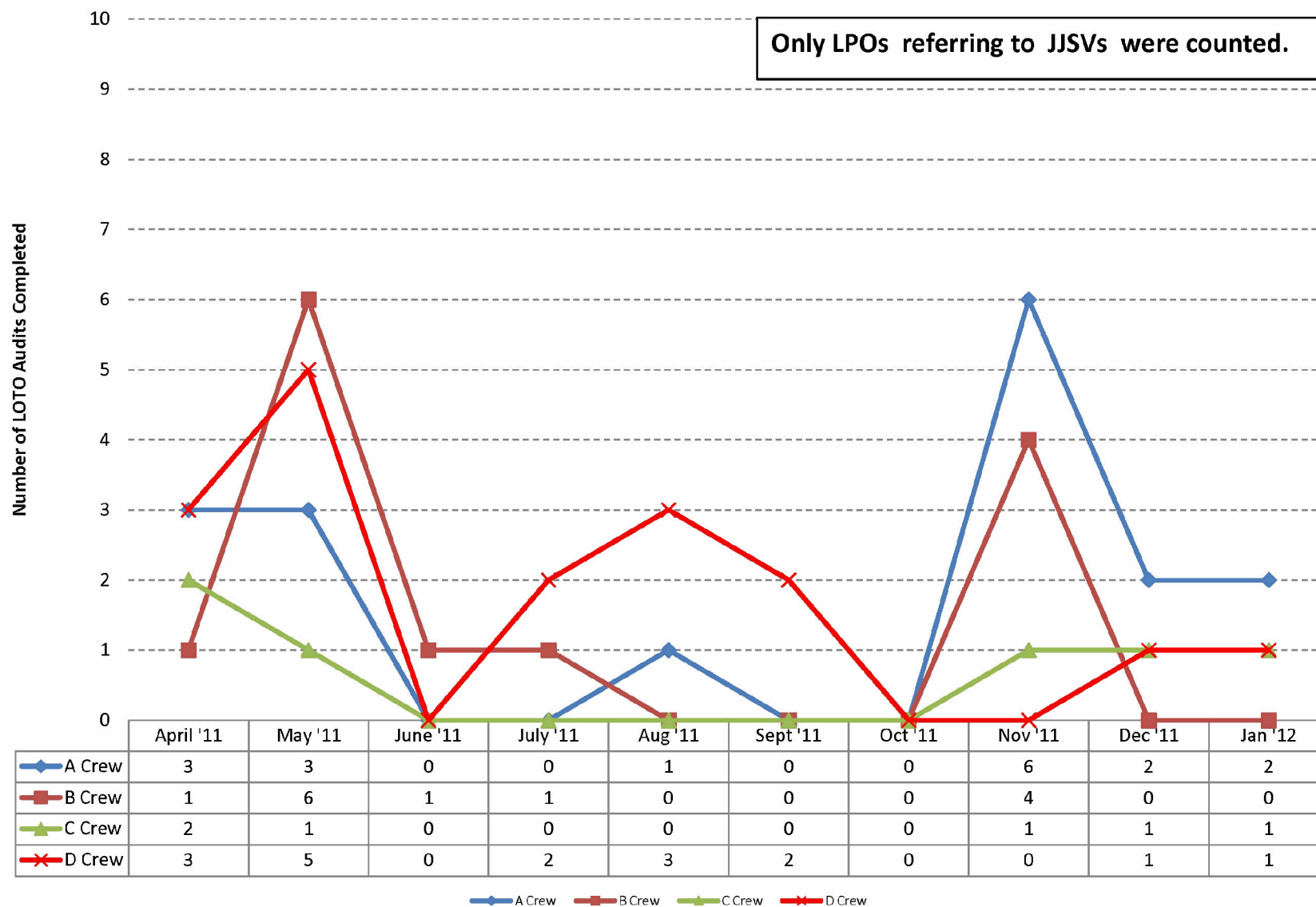
LOTO Audit Data collected from  
the Shift Expectations Sheet and  
the LOTO Audit Database





## JJSV LPOs Completed: Hydro

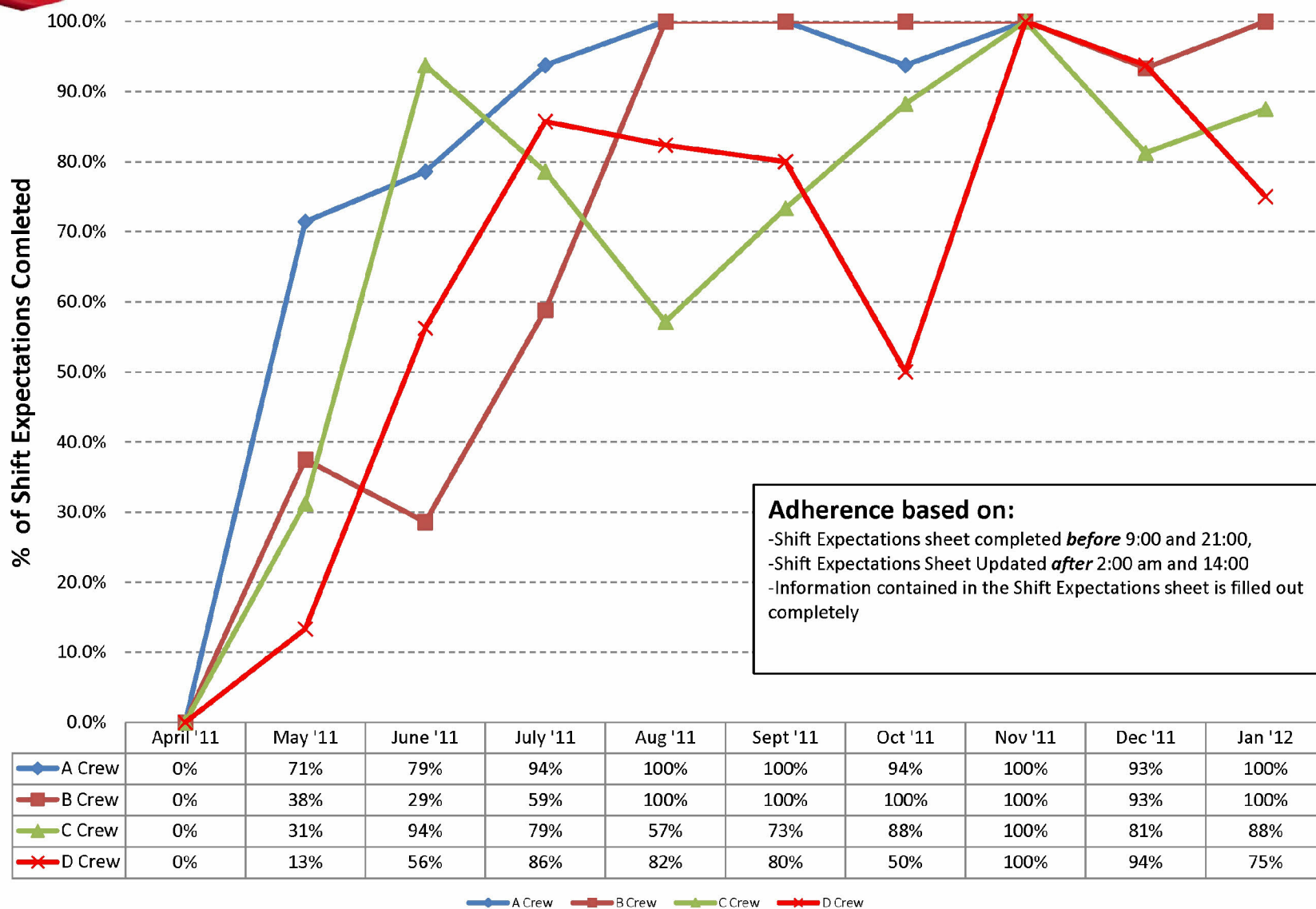
Only LPOs referring to JJSVs were counted.







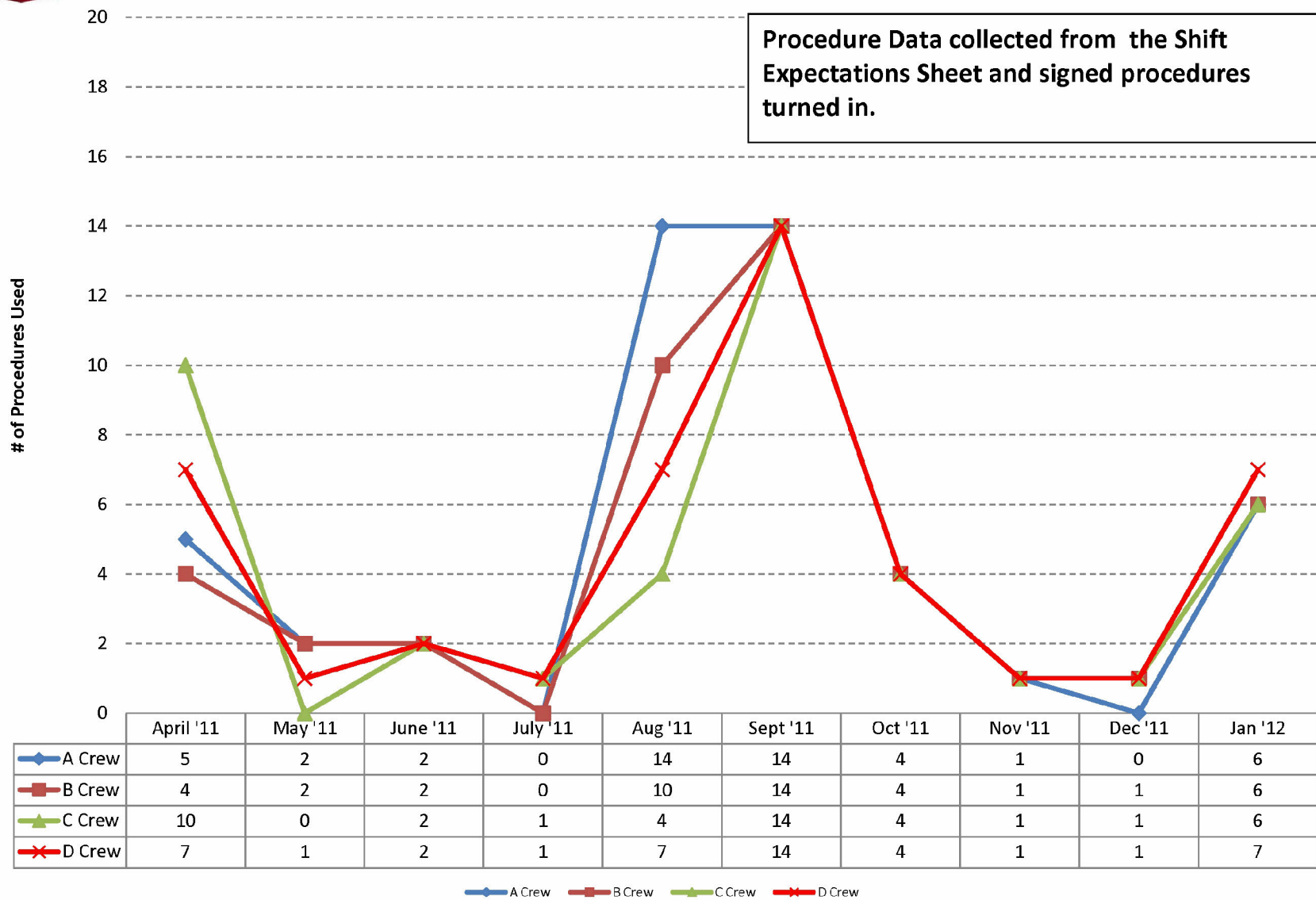
## Crew Management: Cracking





## Procedures Used: Cracking

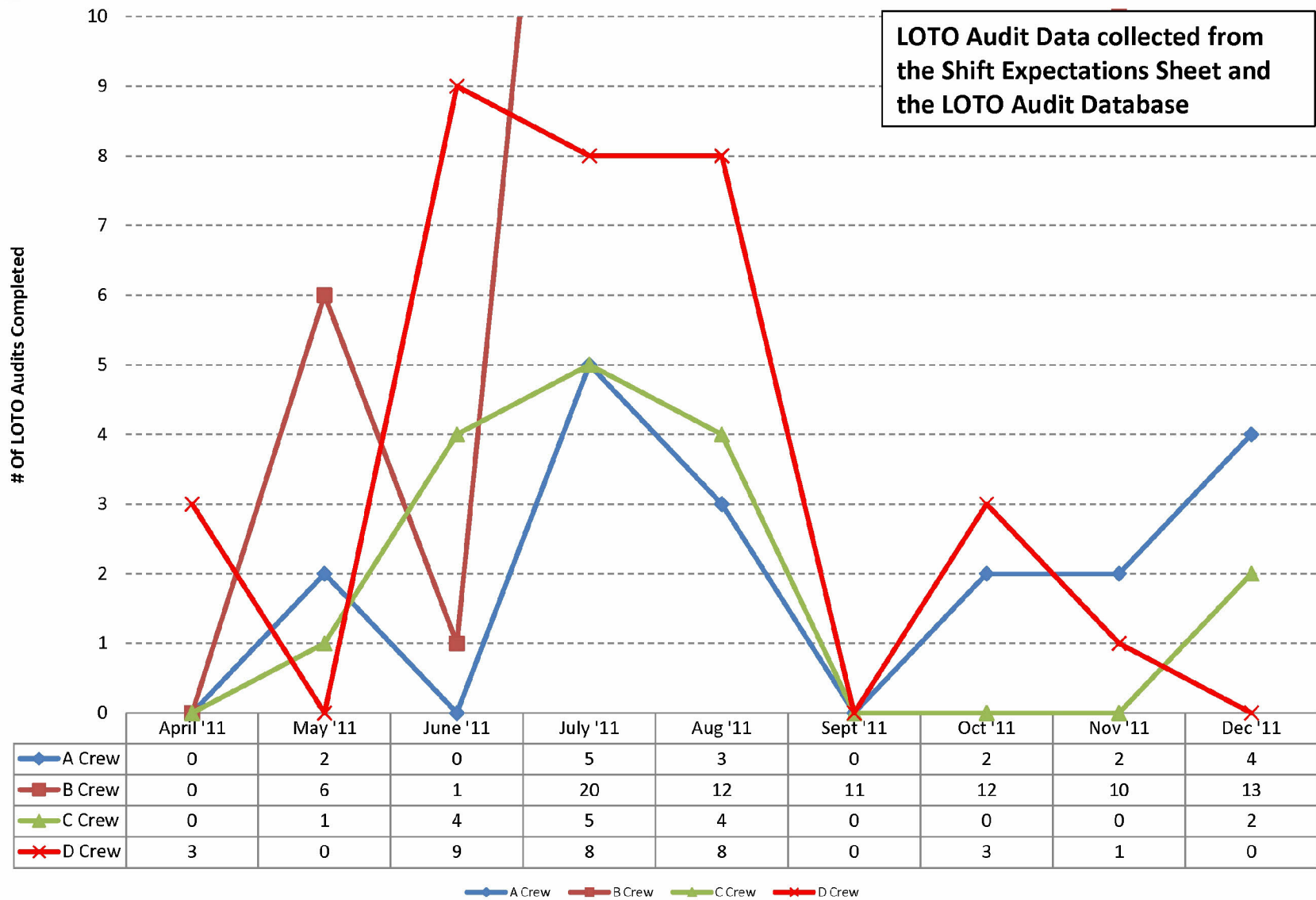
Procedure Data collected from the Shift Expectations Sheet and signed procedures turned in.





## LOTO Audits: Cracking

LOTO Audit Data collected from the Shift Expectations Sheet and the LOTO Audit Database

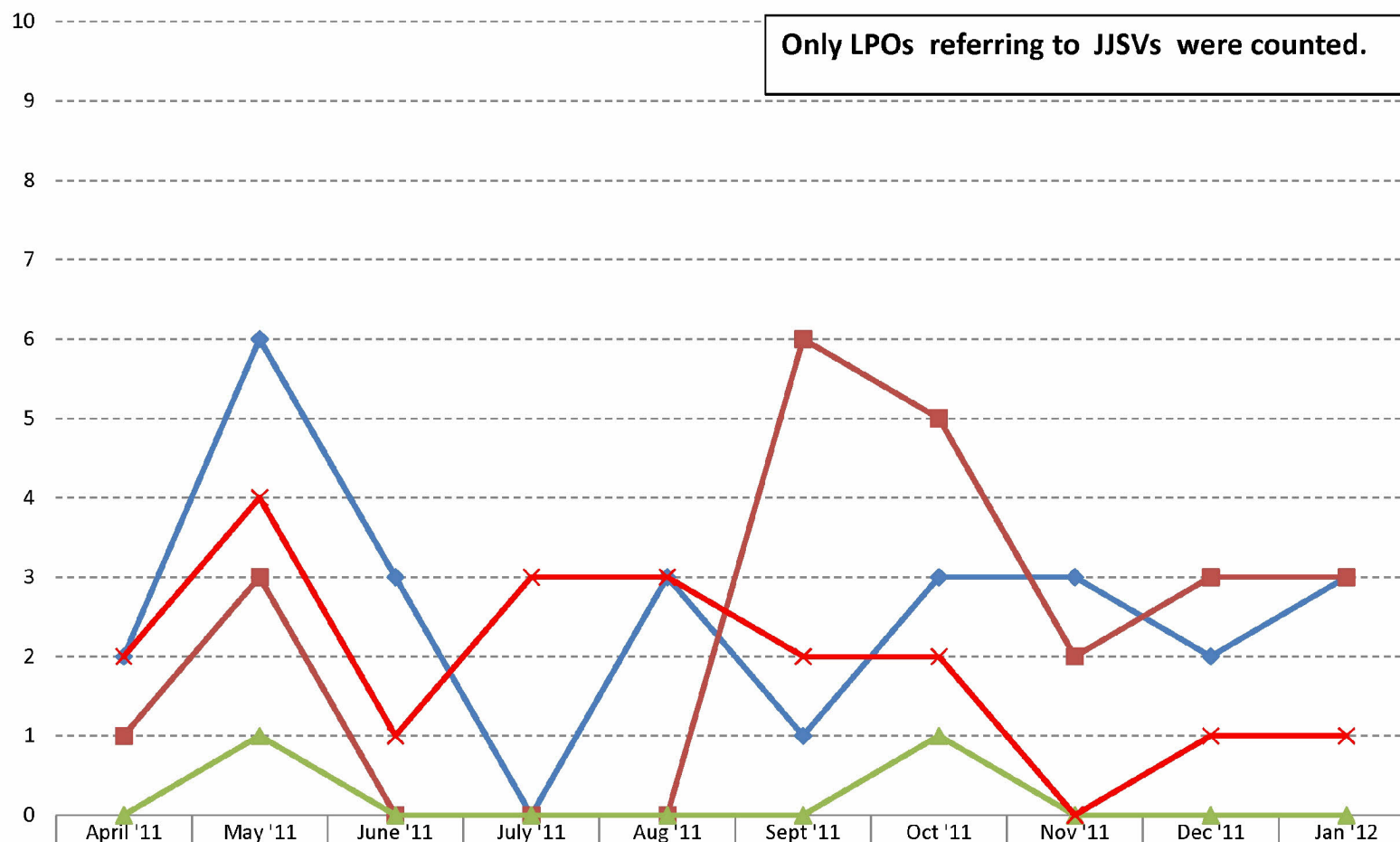




## JJSV/LOTO LPOs Completed: Cracking

Only LPOs referring to JJSVs were counted.

# of JJSV LPOs Completed

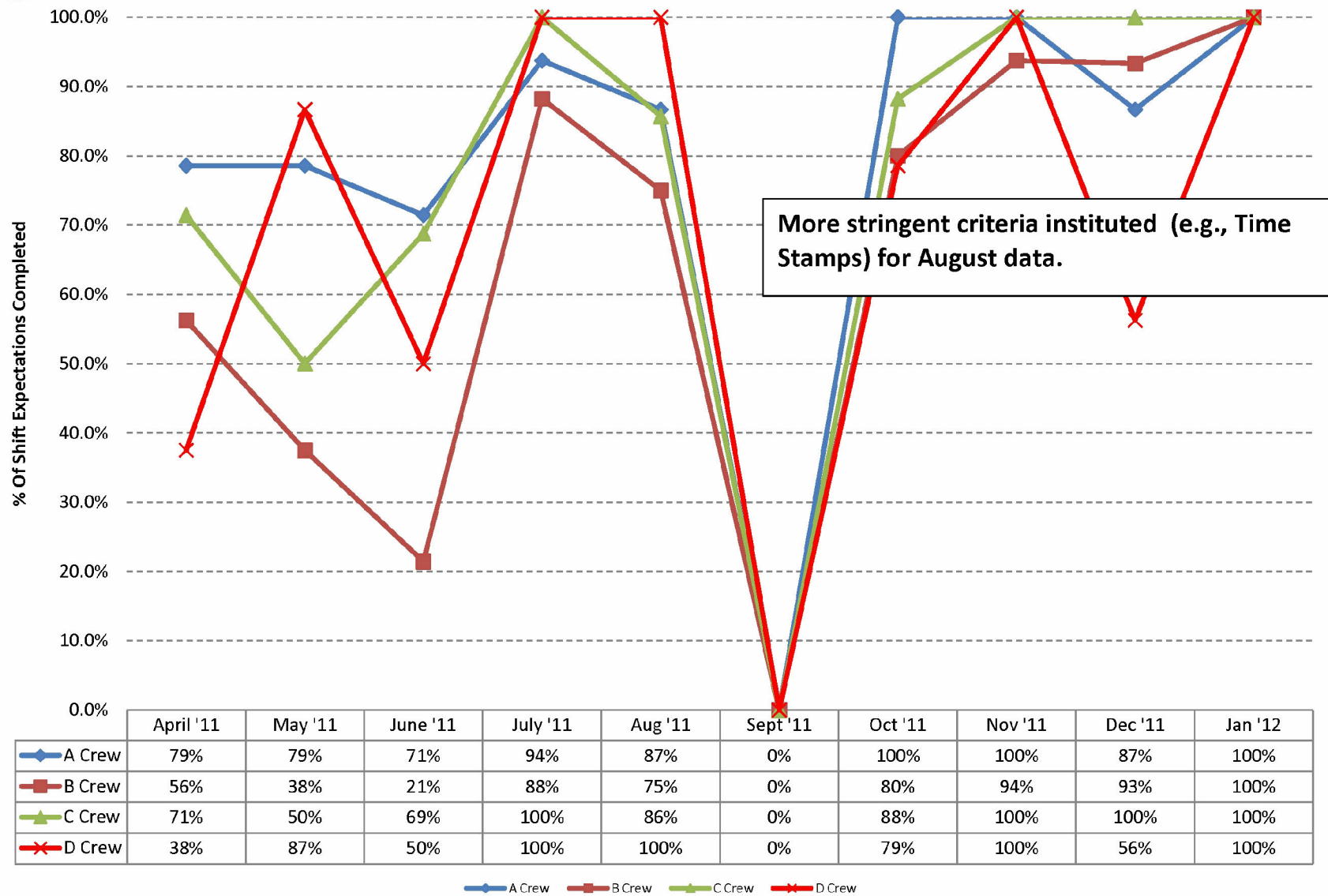


	April '11	May '11	June '11	July '11	Aug '11	Sept '11	Oct '11	Nov '11	Dec '11	Jan '12
A Crew	2	6	3	0	3	1	3	3	2	3
B Crew	1	3	0	0	0	6	5	2	3	3
C Crew	0	1	0	0	0	0	1	0	0	0
D Crew	2	4	1	3	3	2	2	0	1	1

—◆— A Crew —■— B Crew —▲— C Crew —×— D Crew



## Crew Management: Utilities

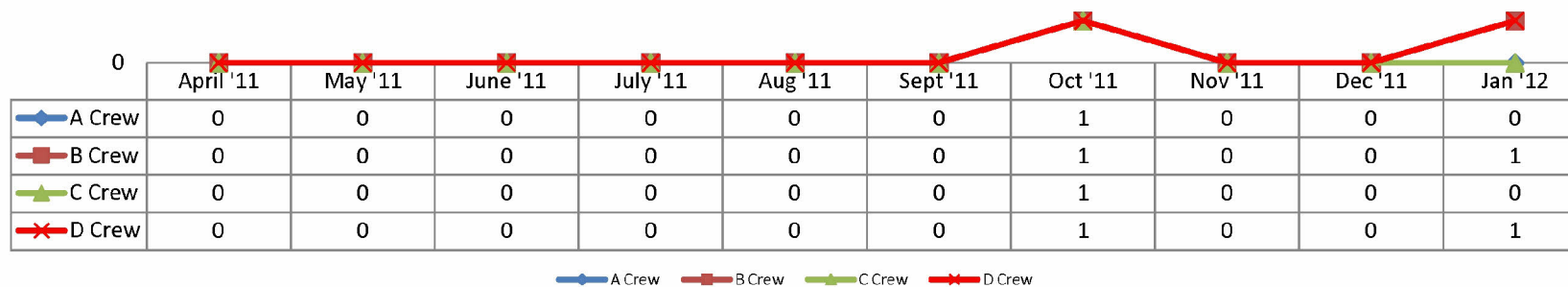




## Procedures Used: Utilities

Procedure Data collected from the Shift Expectations Sheet and signed procedures turned in.

# of Procedures Used

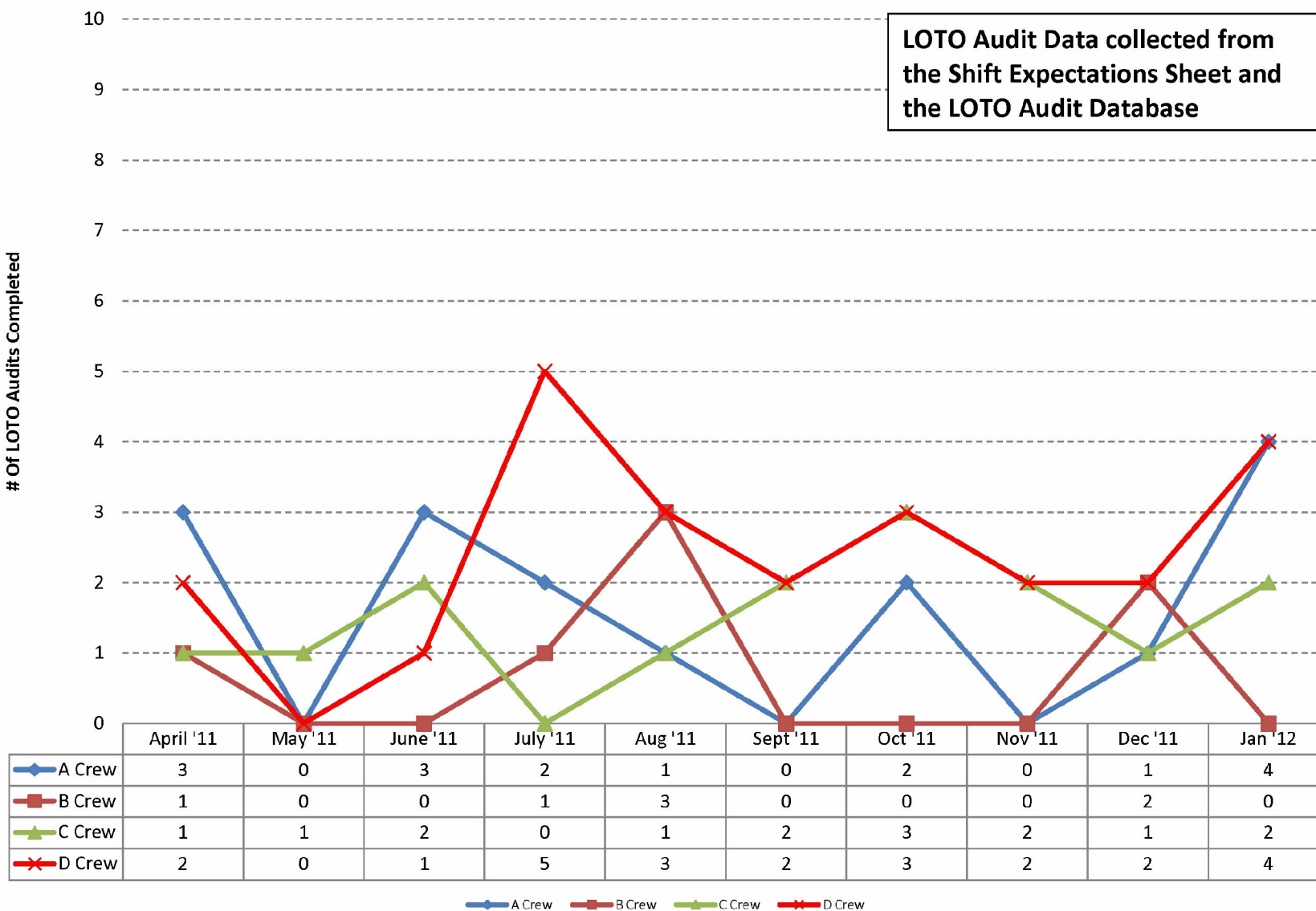




## LOTO Audits: Utilities

LOTO Audit Data collected from  
the Shift Expectations Sheet and  
the LOTO Audit Database

# Of LOTO Audits Completed



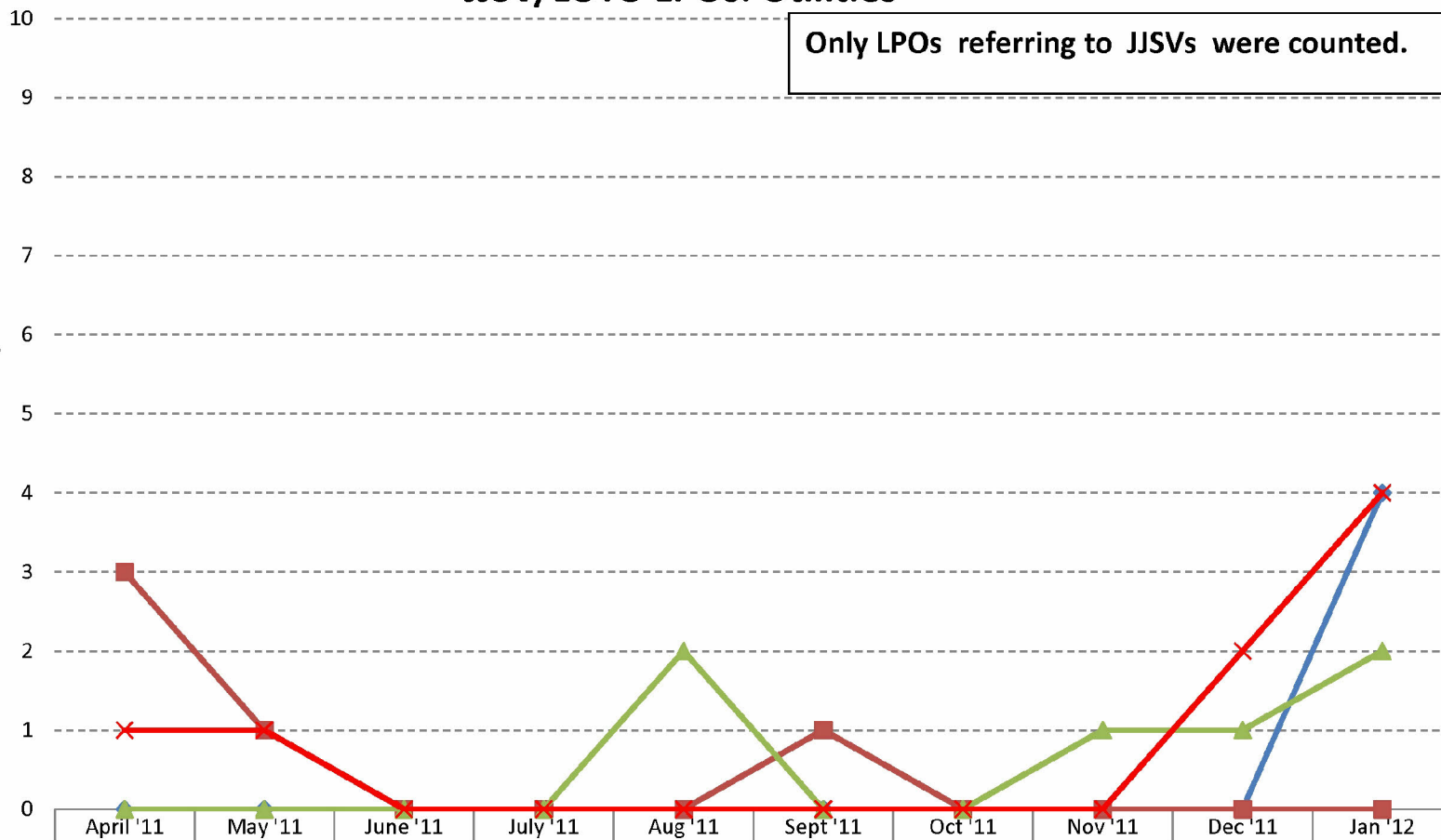




## JJSV/LOTO LPOs: Utilities

Only LPOs referring to JJSVs were counted.

# of JJSV LPOs Completed

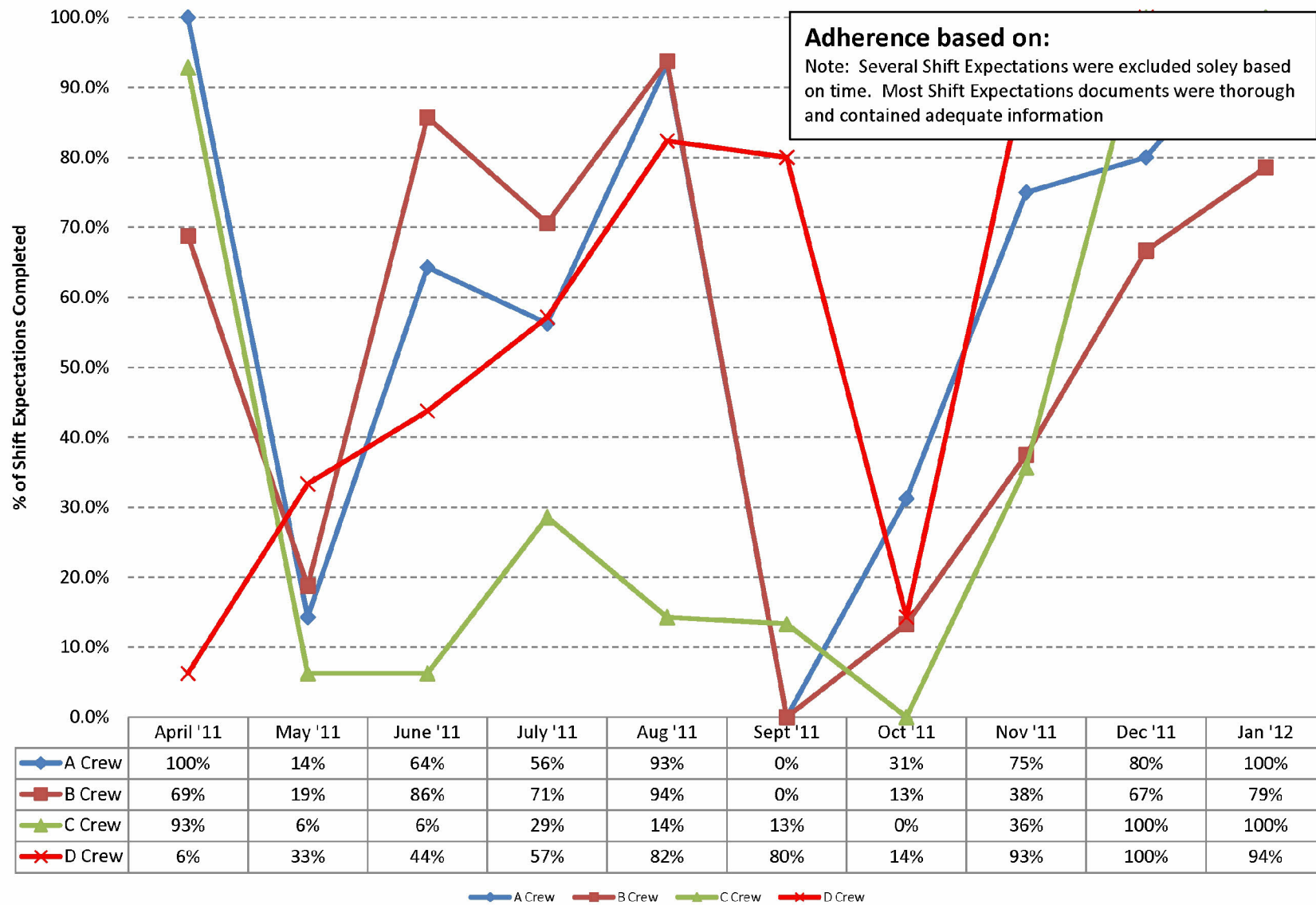


A Crew	0	0	0	0	0	0	0	0	0	4
B Crew	3	1	0	0	0	1	0	0	0	0
C Crew	0	0	0	0	2	0	0	1	1	2
D Crew	1	1	0	0	0	0	0	0	2	4

A Crew B Crew C Crew D Crew



## Crew Management: Blending/Shipping

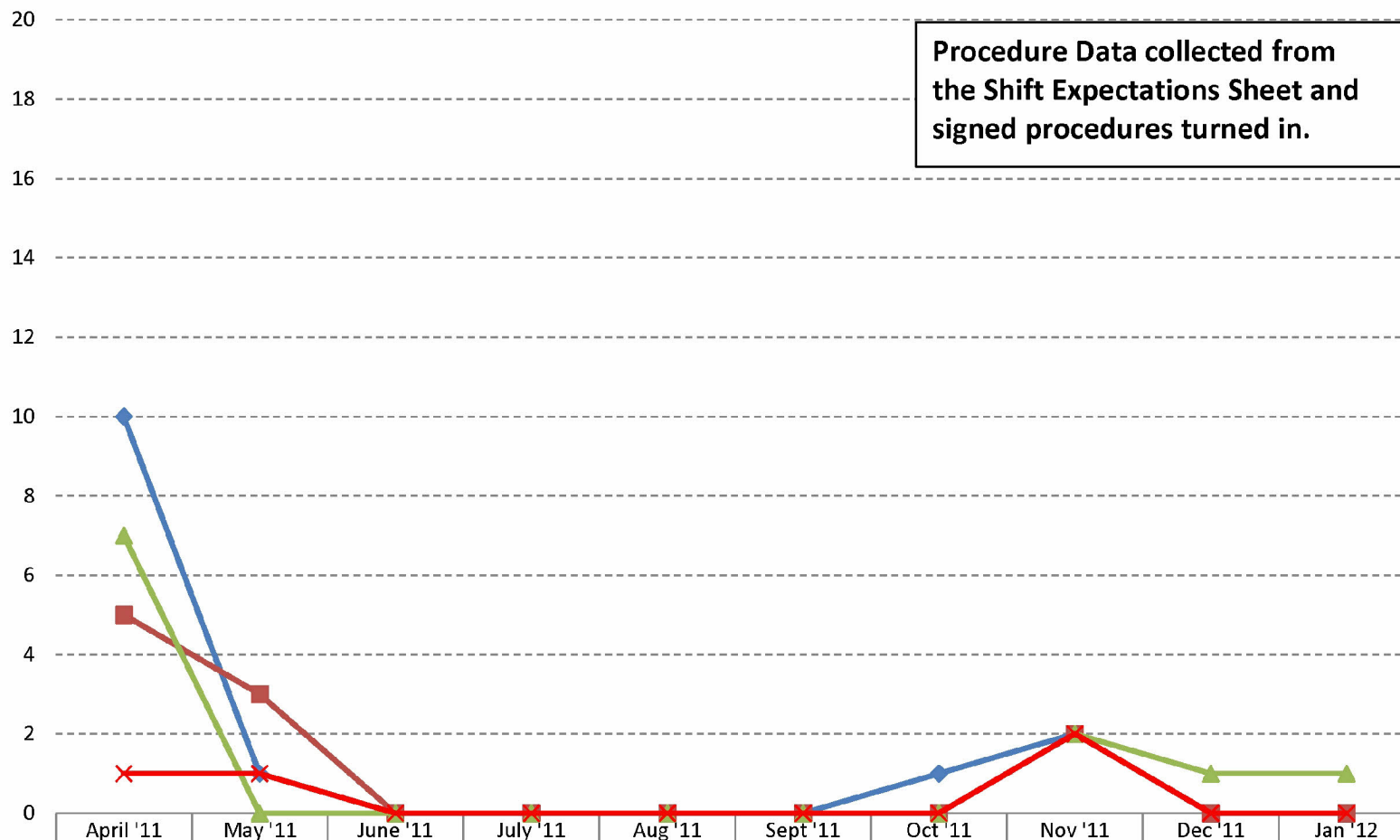




## Procedures Used: Blending/Shipping

Procedure Data collected from the Shift Expectations Sheet and signed procedures turned in.

# of Procedures Used



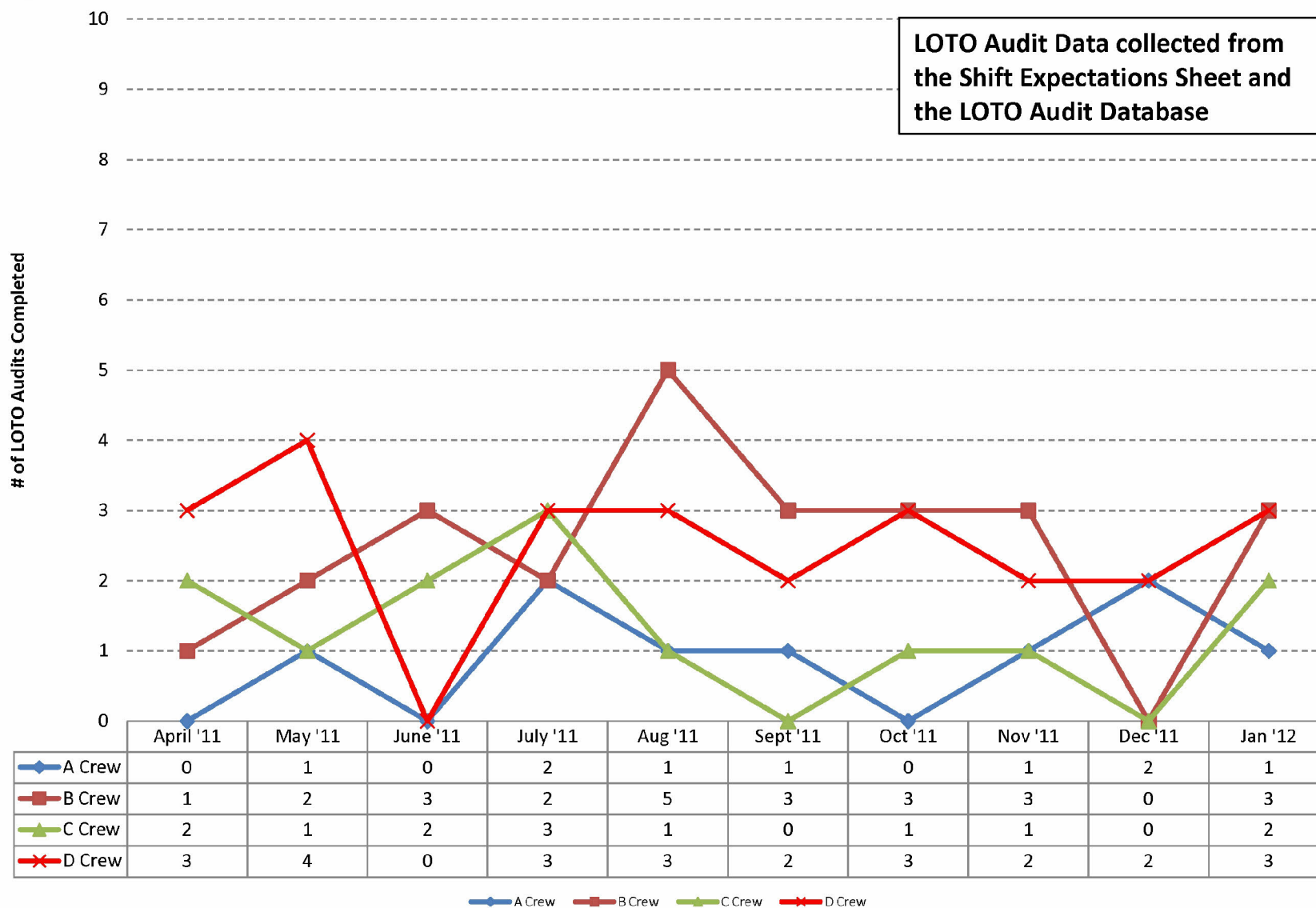
	April '11	May '11	June '11	July '11	Aug '11	Sept '11	Oct '11	Nov '11	Dec '11	Jan '12
A Crew	10	1	0	0	0	0	1	2	0	0
B Crew	5	3	0	0	0	0	0	2	0	0
C Crew	7	0	0	0	0	0	0	2	1	1
D Crew	1	1	0	0	0	0	0	2	0	0

—◆— A Crew —■— B Crew —▲— C Crew —×— D Crew



## LOTO Audits: Blending/Shipping

LOTO Audit Data collected from  
the Shift Expectations Sheet and  
the LOTO Audit Database

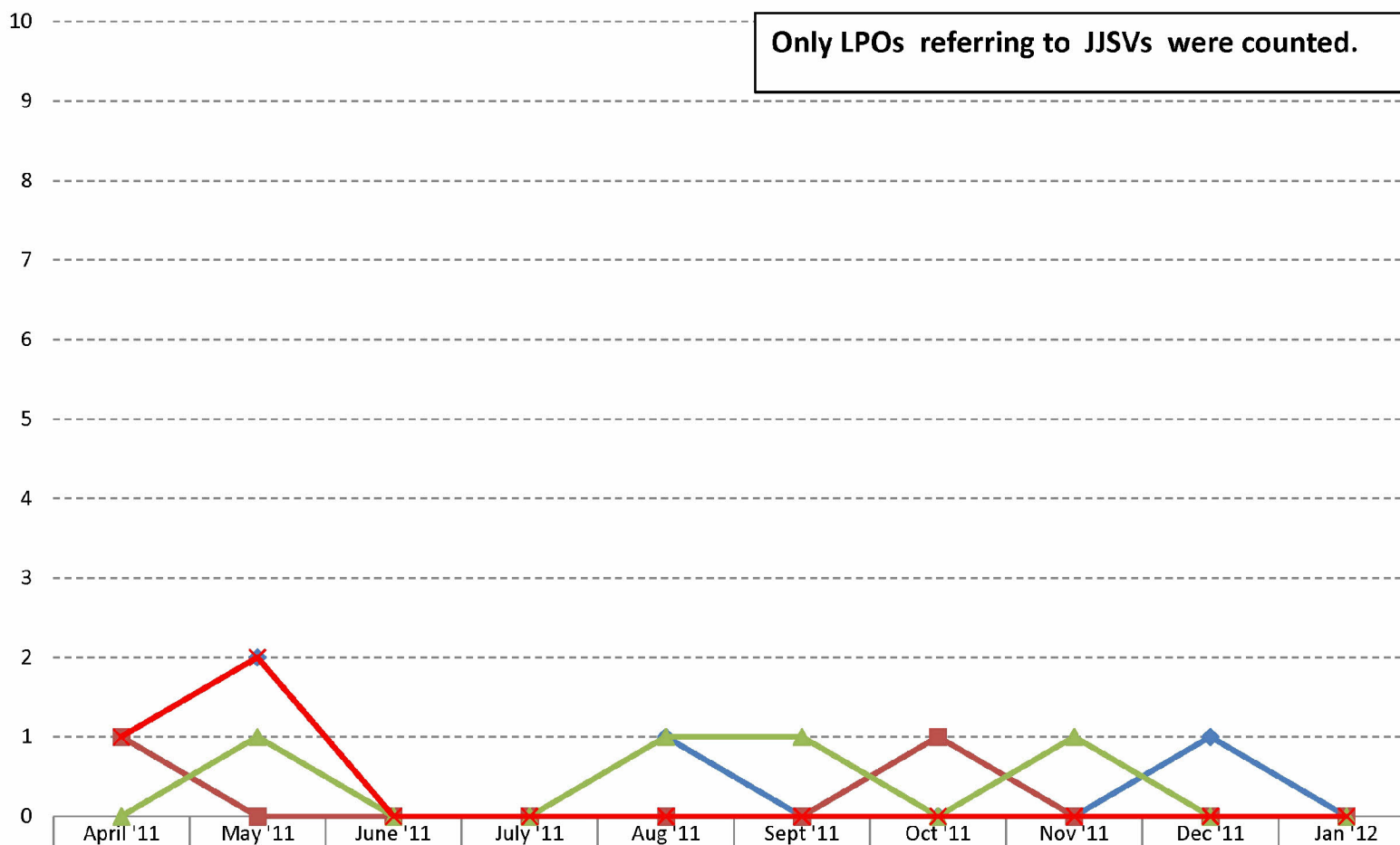




## JJSV/LOTO LPOs: Blending/Shipping

Only LPOs referring to JJSVs were counted.

# Of JJSV LPOs Completed

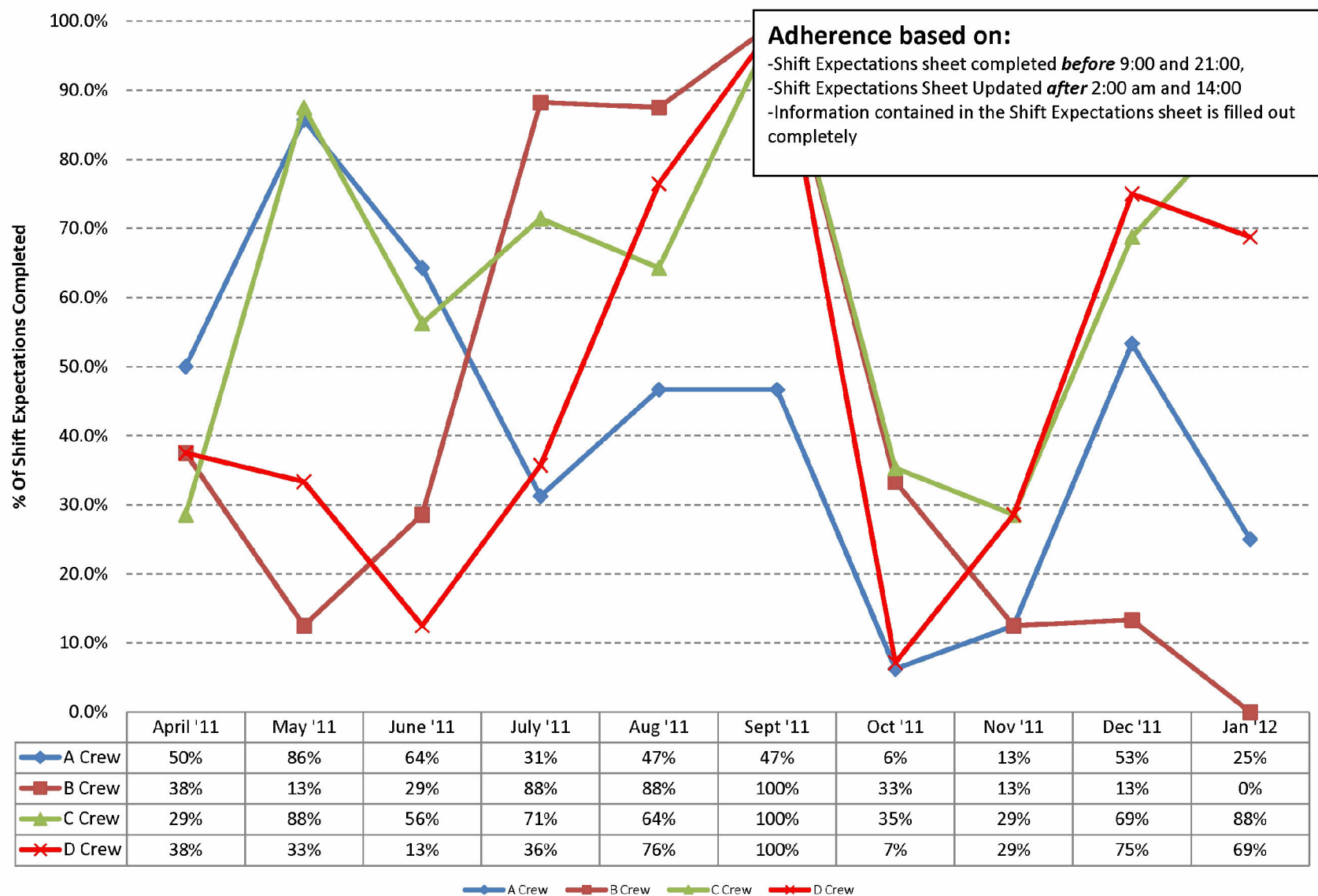


	April '11	May '11	June '11	July '11	Aug '11	Sept '11	Oct '11	Nov '11	Dec '11	Jan '12
A Crew	1	2	0	0	1	0	0	0	1	0
B Crew	1	0	0	0	0	0	1	0	0	0
C Crew	0	1	0	0	1	1	0	1	0	0
D Crew	1	2	0	0	0	0	0	0	0	0

—◆— A Crew —■— B Crew —▲— C Crew —x— D Crew



## Crew Management: D&R

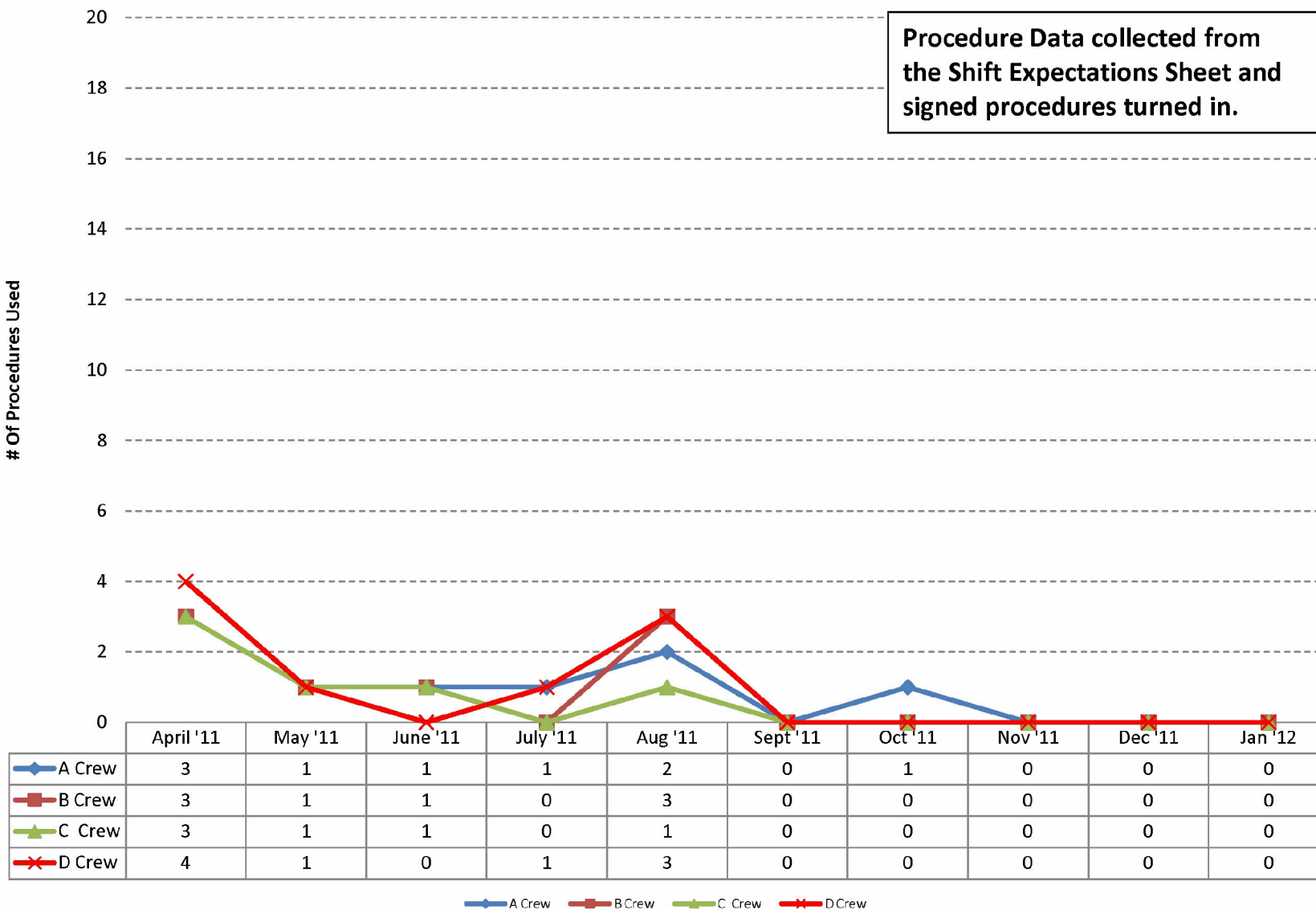




## Procedures Used: D&R

Procedure Data collected from the Shift Expectations Sheet and signed procedures turned in.

# Of Procedures Used

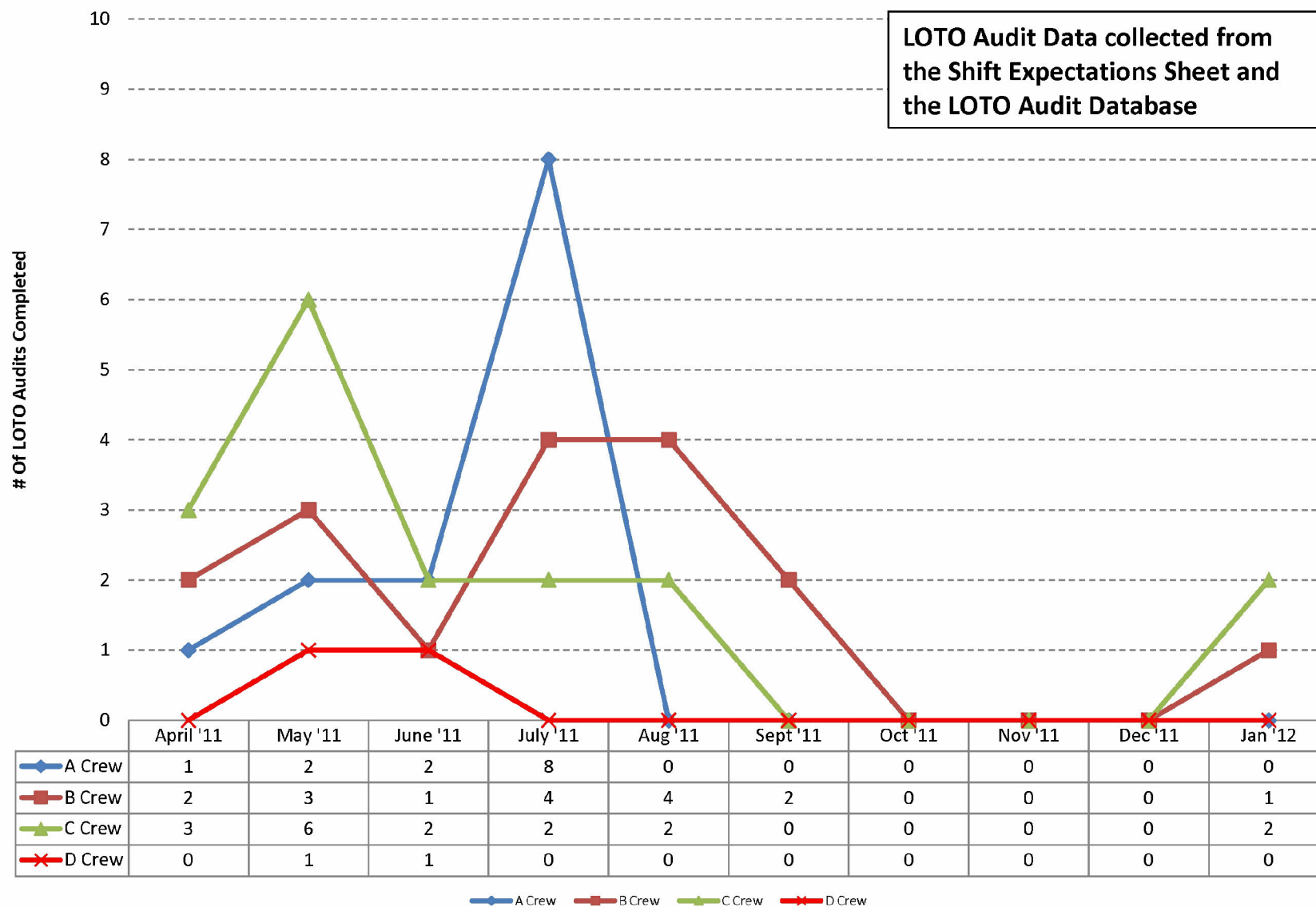






## LOTO Audits:D&R

LOTO Audit Data collected from the Shift Expectations Sheet and the LOTO Audit Database

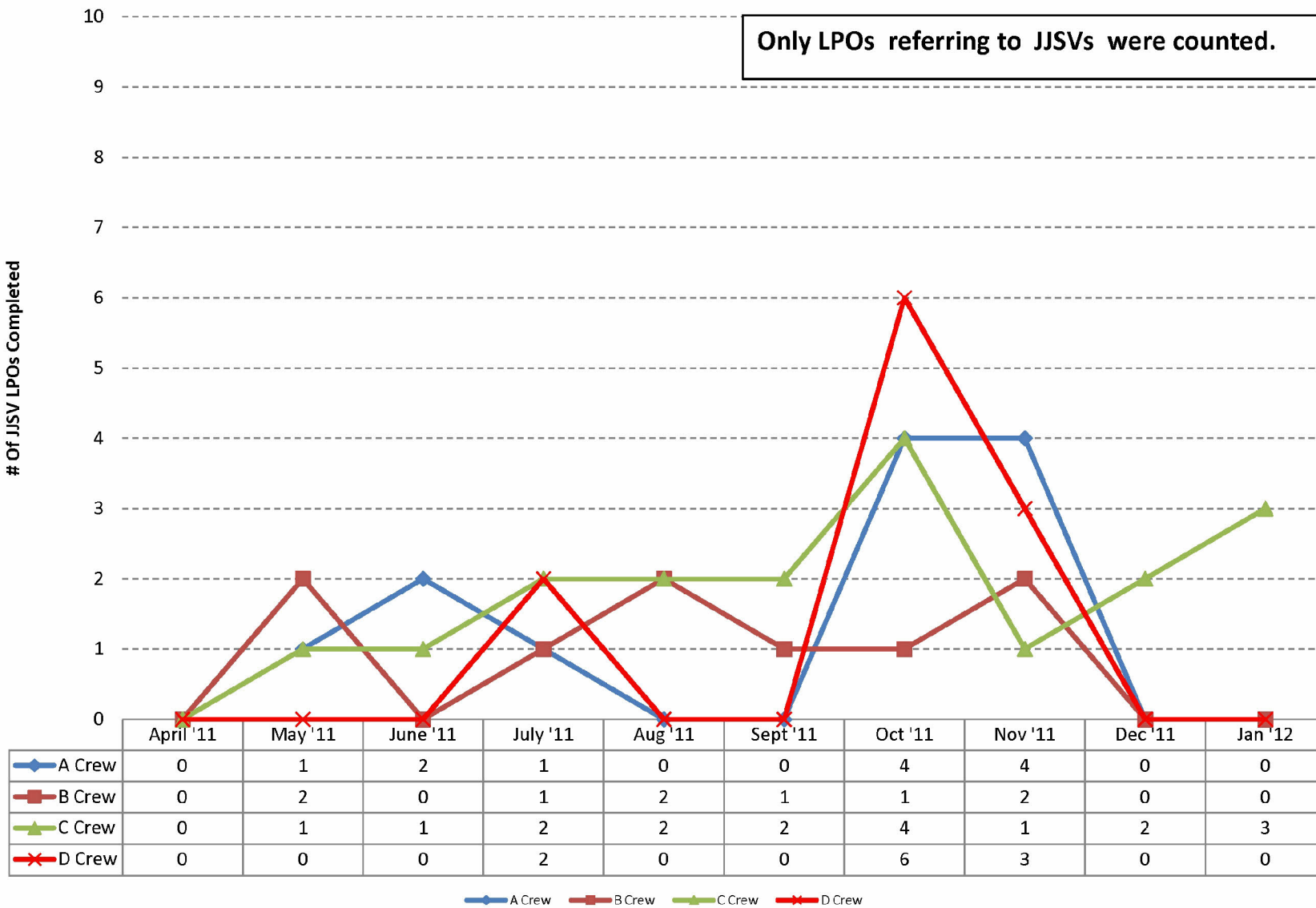




## JJSV/LOTO LPOs: D&R

Only LPOs referring to JJSVs were counted.

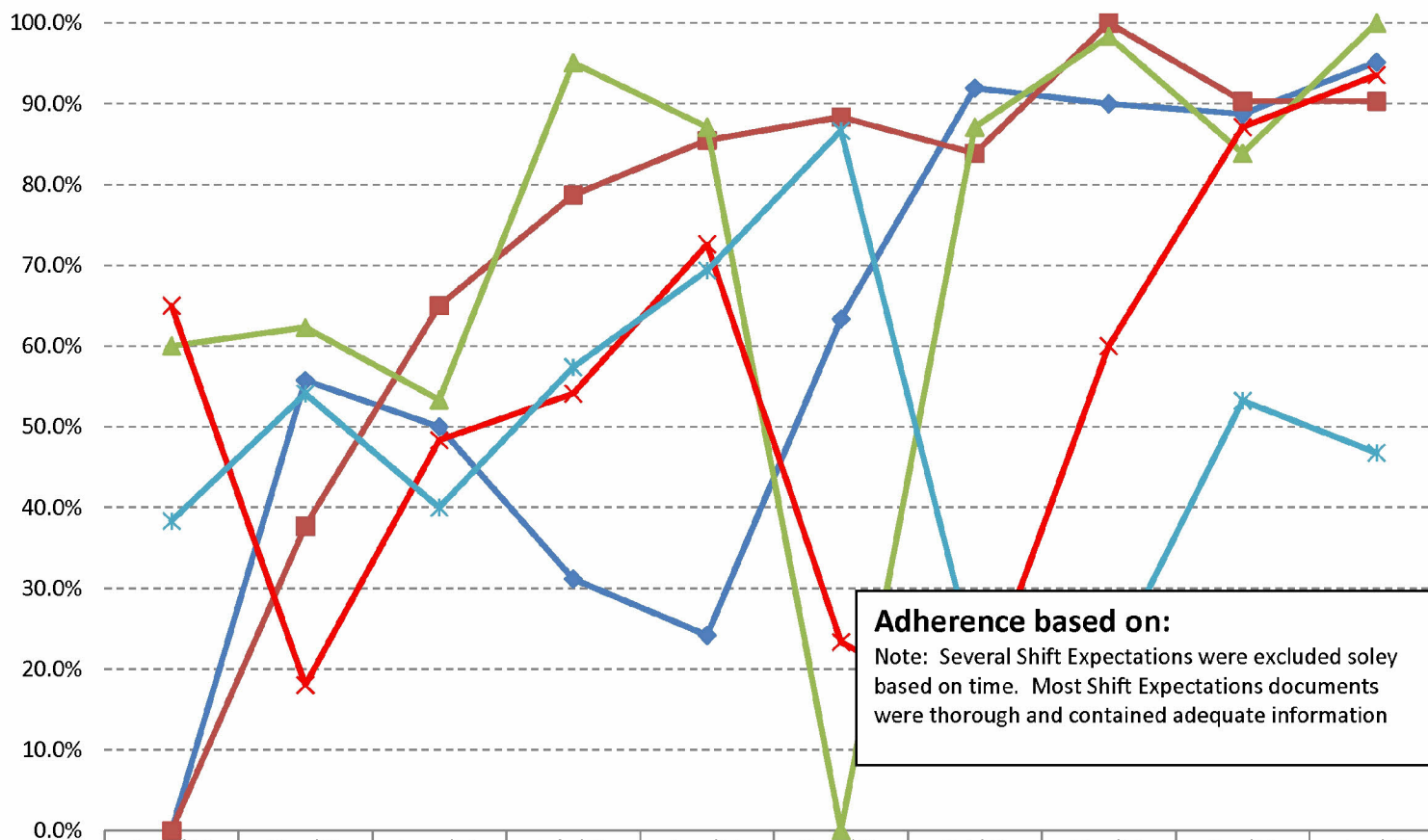
# Of JJSV LPOs Completed





## Crew Management: Refinery-Wide

Percent of Shift Expectations Completed



### Adherence based on:

Note: Several Shift Expectations were excluded solely based on time. Most Shift Expectations documents were thorough and contained adequate information

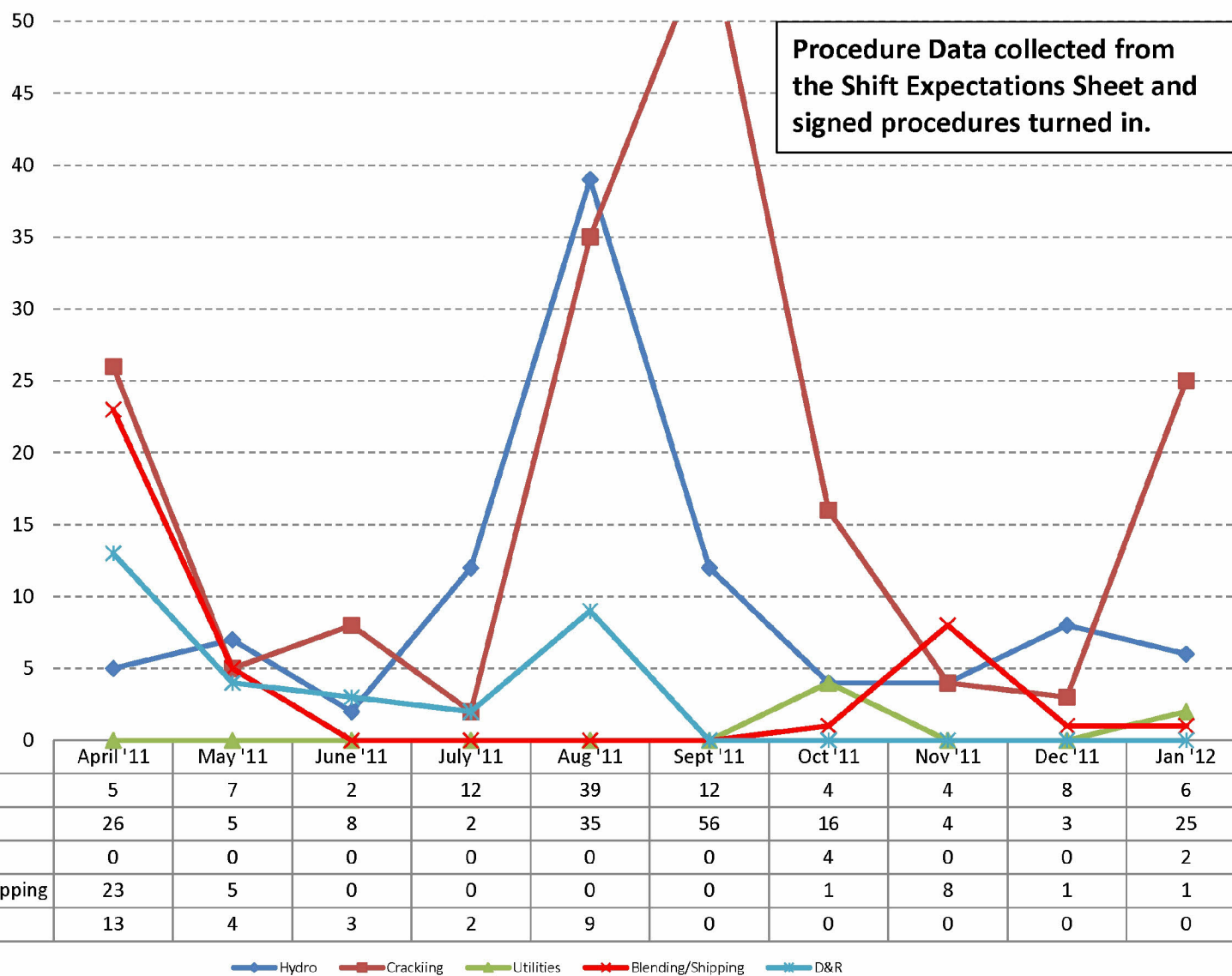
	April '11	May '11	June '11	July '11	Aug '11	Sept '11	Oct '11	Nov '11	Dec '11	Jan '12
Hydro	0%	56%	50%	31%	24%	63%	92%	90%	89%	95%
Cracking	0%	38%	65%	79%	85%	88%	84%	100%	90%	90%
Utilities	60%	62%	53%	95%	87%	0%	87%	98%	84%	100%
Blending/Shipping	65%	18%	48%	54%	73%	23%	15%	60%	87%	94%
D&R	38%	54%	40%	57%	69%	87%	21%	20%	53%	47%

Hydro Cracking Utilities Blending/Shipping D&R



## Procedure Usage: ABU Comparison

Number of Procedures Used

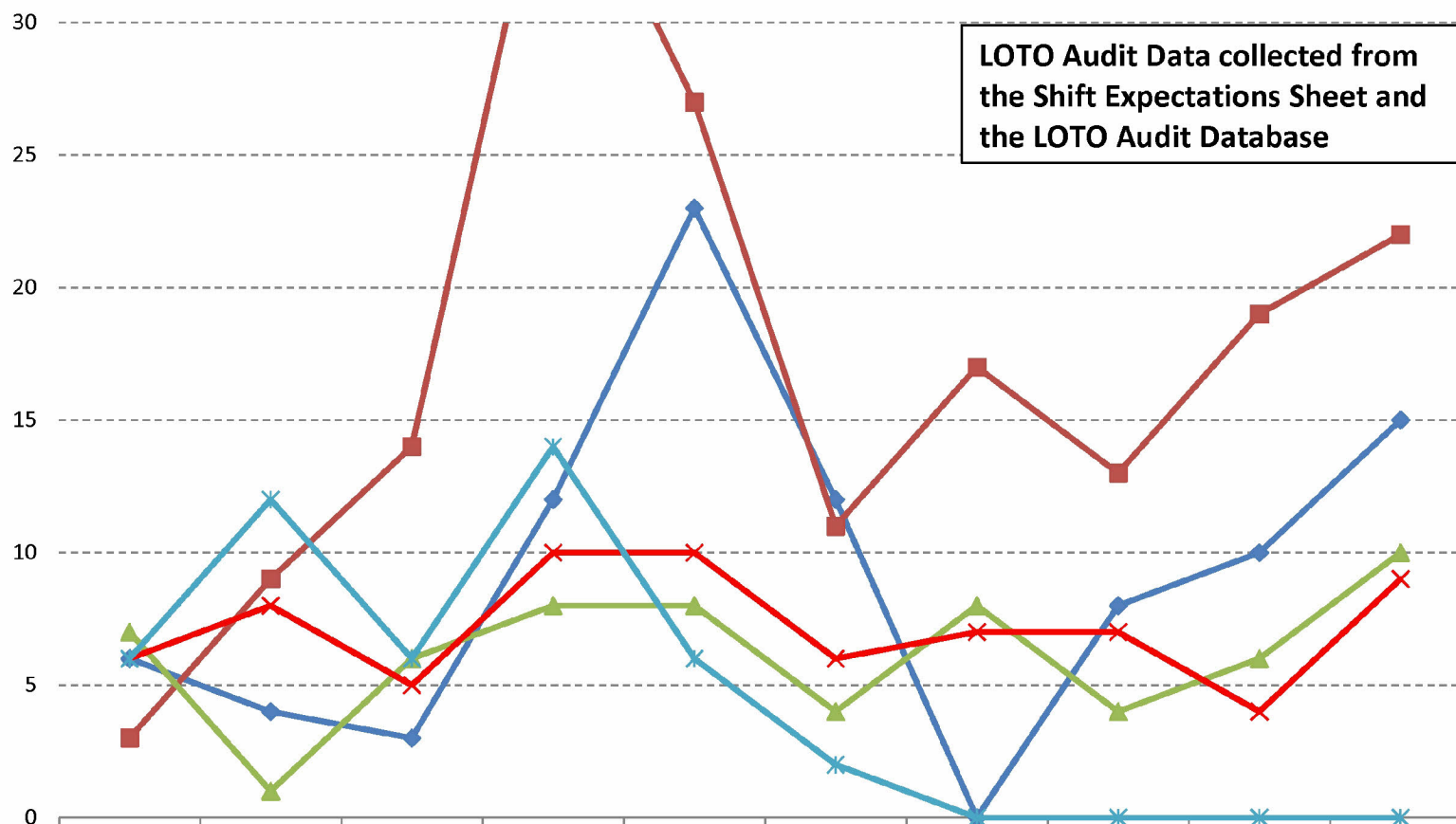




## LOTO Audits: Refinery Wide

LOTO Audit Data collected from the Shift Expectations Sheet and the LOTO Audit Database

# Of LOTO Audits Completed



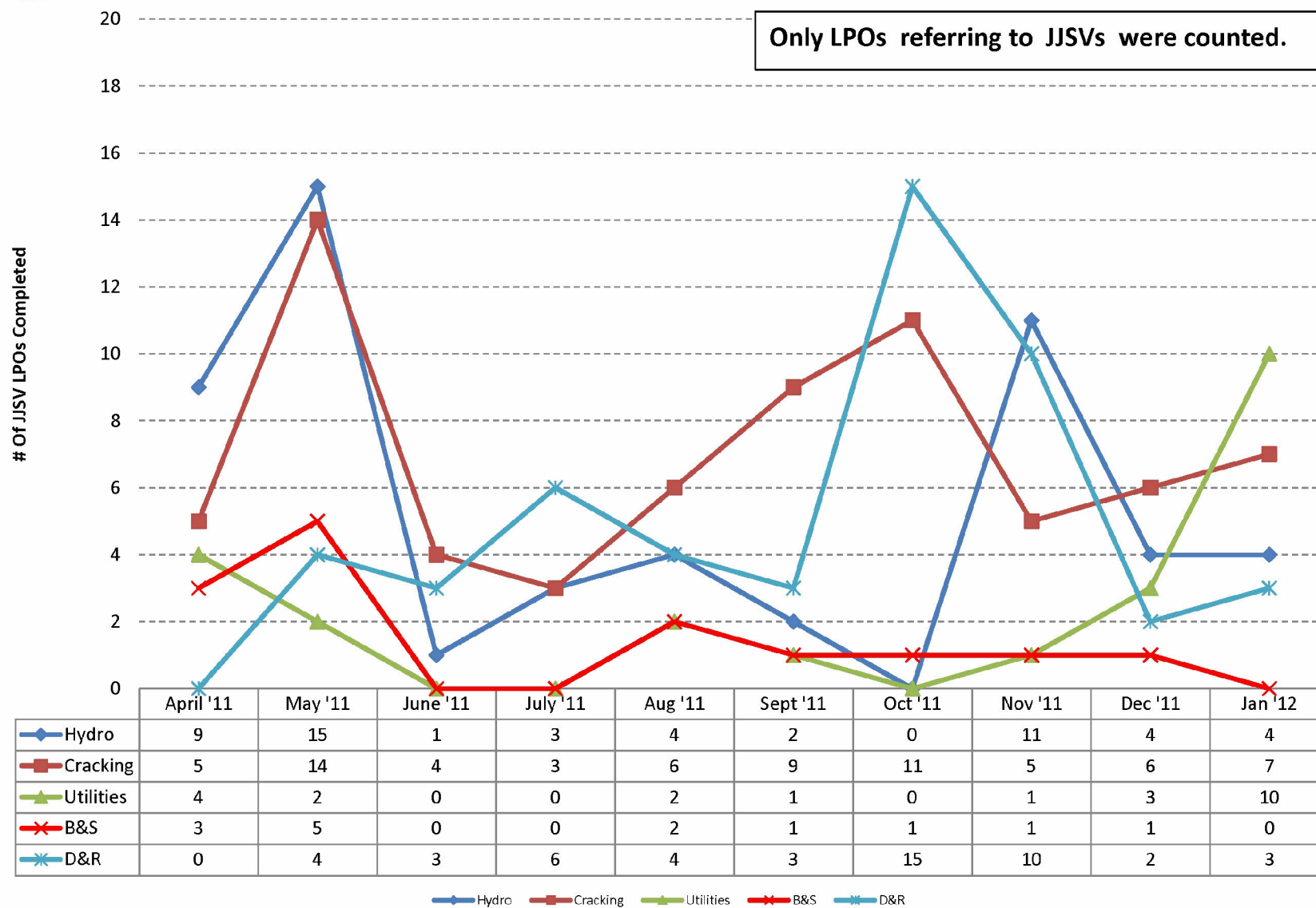
	April '11	May '11	June '11	July '11	Aug '11	Sept '11	Oct '11	Nov '11	Dec '11	Jan '12
Hydro	6	4	3	12	23	12	0	8	10	15
Cracking	3	9	14	38	27	11	17	13	19	22
Utilities	7	1	6	8	8	4	8	4	6	10
B&S	6	8	5	10	10	6	7	7	4	9
D&R	6	12	6	14	6	2	0	0	0	0

Hydro Cracking Utilities B&S D&R



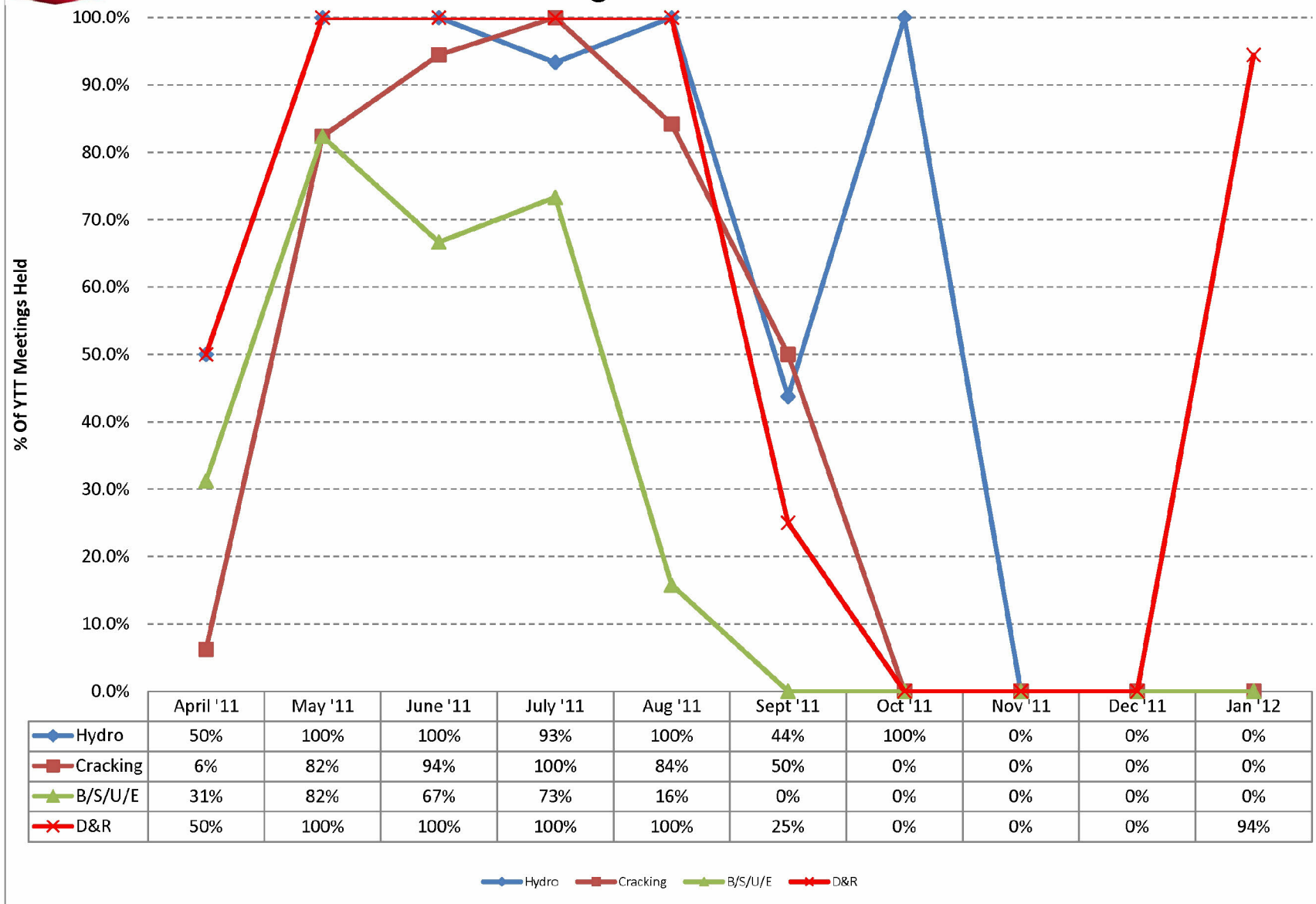
## JJSV/LOTO LPOs: Refinery Wide

Only LPOs referring to JJSVs were counted.





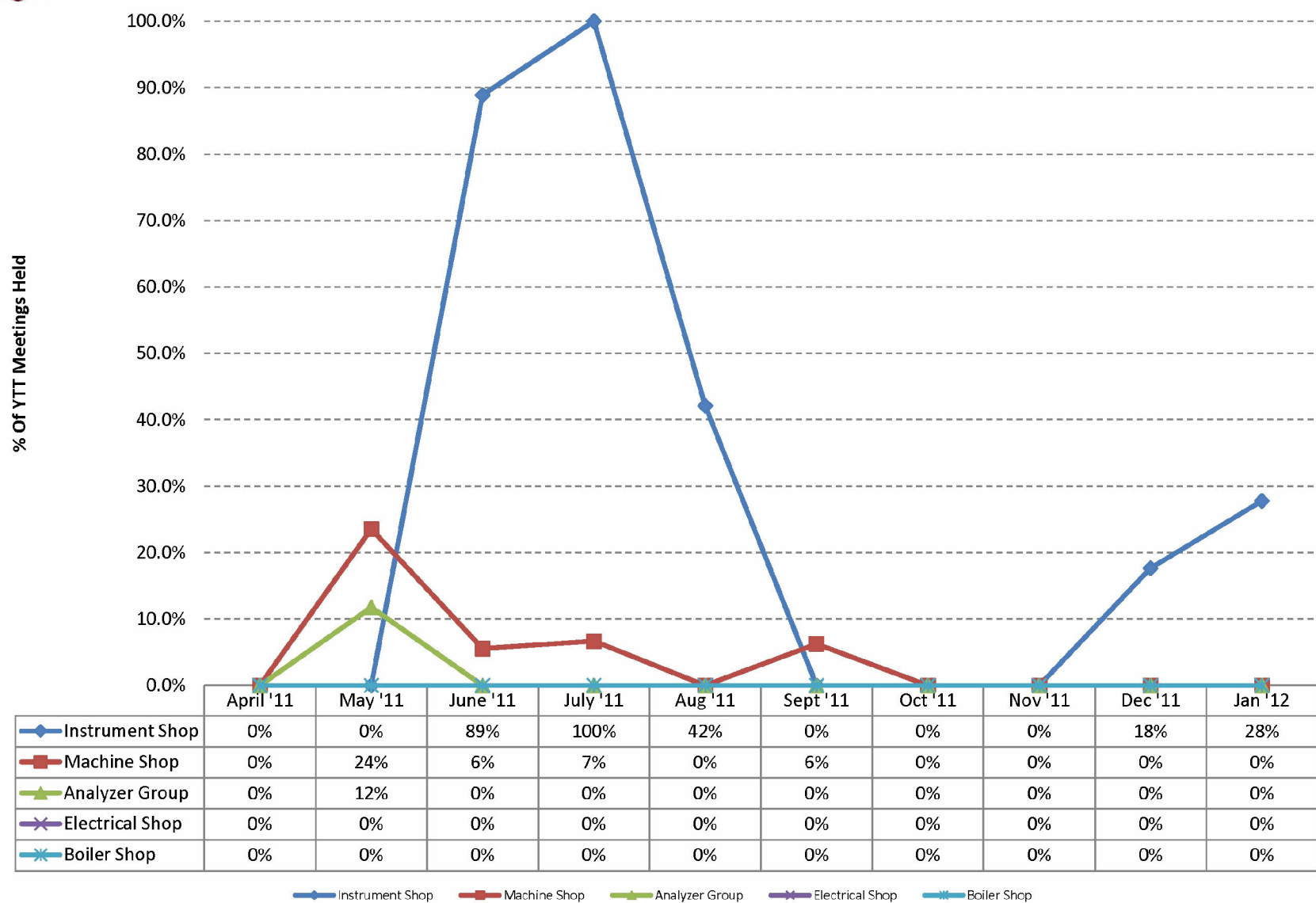
## YTT Meetings: Zone Maintenance







## YTT Meetings: Shops





## YTT Meetings: Support Groups

